

Recovery Plan Action Status

Plan Name: Draft Recovery Plan for Listed Species of the Rogue Valley Vernal Pool and Illinois Valley Wet Meadow Ecosystems

Plan Status: Draft

Plan Date: 22-Sep-06

Lead Agency: USFWS

Lead Office: Oregon Fish And Wildlife Office

(503)
231-6179)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Dwarf meadowfoam (Limnanthes floccosa ssp. pumila), Tehama pincushionplant (Navarretia heterandra), Large-flowered woolly Meadowfoam (Limnanthes floccosa ssp. grandiflora), Cook's lomatium (Lomatium cookii), slender meadowfoam (Limnanthes gracilis ssp. gracilis), Henderson's bentgrass (Agrostis microphylla hendersonii), Austin's popcornflower (Plagiobothrys austiniae), Greene's popcornflower (Plagiobothrys greenei), Sculptured popcornflower (Plagiobothrys glyptocarpus var. glyptocarpus), hairy water flea (Dumontia oregonensis), coral seeded popcornflower (Plagiobothrys figuratus ssp. coralliacarpus), Vernal pool fairy shrimp (Branchinecta lynchi)	2	1.1.1	Develop standardized site assessment guidance.	Ongoing Not Current	FY 2005		USFWS Region 1, Oregon Department of State Lands, Rogue Valley Council of Governments	Research: Habitat Requirements	Labor type not yet selected	This work began before draft recovery plan was completed. Not attempted in 2010. This work will be completed by a partnership of wetland consultants and various agencies. Currently (2011) a vernal pool function and value assessment model has been completed for the Oregon vernal pool areas and it undergoing revision and testing.

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Large-flowered woolly Meadowfoam (Limnanthes floccosa ssp. grandiflora), Cook's lomatium (Lomatium cookii)	1	1.2	Refine recovery core areas for focused conservation efforts based on new information.	Ongoing Current	FY 2009		Oregon Department of Agriculture, USFWS Region 1, The Nature Conservancy	Research: Habitat Requirements	Labor type not yet selected	New habitat information came to the Service's attention in 2009 and will be incorporated into the final version of the recovery plan in 2011.

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Large-flowered woolly Meadowfoam (Limnanthes floccosa ssp. grandiflora), Cook's lomatium (Lomatium cookii), Vernal pool fairy shrimp (Branchinecta lynchi)	1	1.3.1	Coordinate with Federal agencies through consultation or conservation agreements to use their authority to establish new preserves for the listed species based on new information.	Ongoing Current	FY 2007		Bureau of Reclamation , USFWS Region 1, Bureau of Land Management	Acquisition: Exchange	Labor type not yet selected	Our office continues to consult with federal agencies regarding proposed restoration, forest management, and timber harvest activities on a regular basis.
Large-flowered woolly Meadowfoam (Limnanthes floccosa ssp. grandiflora), Cook's lomatium (Lomatium cookii), Vernal pool fairy shrimp (Branchinecta lynchi)	1	1.3.2	Establish new preserves and add lands to existing preserves for the listed species through coordination with local, county and state agencies.	Ongoing Current	FY 2007		Oregon Department of Agriculture, Oregon Department of Transportation, USFWS Region 1, Rogue Valley Council of Governments, Cities of Cave Junction, Medford, and White City, Oregon	Acquisition	Labor type not yet selected	In 2008 40-acre and 200-acre parcels of land with suitable habitat for meadowfoam became protected. The Oregon Department of Transportation has purchased 80 acres of habitat suitable for lomatium and meadowfoam. The 200 acre parcel was purchased by Wildlands Inc. for mitigation banking purposes.

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Large-flowered woolly Meadowfoam (Limnanthes floccosa ssp. grandiflora), Cook's lomatium (Lomatium cookii), Vernal pool fairy shrimp (Branchinecta lynchi)	1	2.4.2	Identify and prioritize areas of historically occupied habitat with potentially suitable habitat for restoration and management for the listed species.	Partially Complete	FY 2007		Oregon Department of Agriculture, USFWS Region 1, Bureau of Land Management, The Nature Conservancy	Research: Habitat Status	Labor type not yet selected	This effort was initiated with the development of the draft recovery plan and the designation of critical habitat for the two endangered plants.

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Large-flowered woolly Meadowfoam (Limnanthes floccosa ssp. grandiflora), Cook's lomatium (Lomatium cookii)	1	3.3	Survey for additional occurrences of the listed plant species.	Ongoing Current	FY 2008		Oregon Department of Agriculture, Oregon Department of Transportation, U.S. Army Corps of Engineers, USFWS Region 1, Oregon Department of State Lands, Cities of Cave Junction, Medford, and White City, Oregon	Research: Population Surveys	Internal Technical Assistance	This action is performed when new unsurveyed land is available for surveying.

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Large-flowered woolly Meadowfoam (Limnanthes floccosa ssp. grandiflora), Cook's lomatium (Lomatium cookii), Vernal pool fairy shrimp (Branchinecta lynchi)	2	3.6.1	Conduct status reviews of listed species in this recovery plan and identify those species warranting a change in status.	Not Started			Oregon Department of Agriculture, USFWS Region 1	Work type not yet selected	Labor type not yet selected	
Large-flowered woolly Meadowfoam (Limnanthes floccosa ssp. grandiflora), Cook's lomatium (Lomatium cookii), Vernal pool fairy shrimp (Branchinecta lynchi)	1	4.1	Conduct viability assessment based on most recent data and apply results to refine recovery actions and criteria, habitat management, and threat reduction actions for the listed species.	Not Started			Oregon Department of Agriculture, USFWS Region 1, Bureau of Land Management, The Nature Conservancy, Southern Oregon University	Work type not yet selected	Labor type not yet selected	A long term demography study that can inform a viability assessment has taken place at French Flat, Indian Hill, and Rough and Ready Creek on Medford BLM land in the Illinois Valley, Josephine County, OR.

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Large-flowered woolly Meadowfoam (Limnanthes floccosa ssp. grandiflora), Cook's lomatium (Lomatium cookii)	1	4.12	Develop off and onsite cultivation and propagation techniques for the listed plant species.	Ongoing Current	FY 2008		Oregon Department of Agriculture, USFWS Region 1, Bureau of Land Management, The Nature Conservancy, Southern Oregon University	Research: Propagation	Graduate Student	FWS funded ODA to perform propagation research on Lomatium cookii.

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Dwarf meadowfoam (Limnanthes floccosa ssp. pumila), Tehama pincushionplant (Navarretia heterandra), Large-flowered woolly Meadowfoam (Limnanthes floccosa ssp. grandiflora), Cook's lomatium (Lomatium cookii), slender meadowfoam (Limnanthes gracilis ssp. gracilis), Henderson's bentgrass (Agrostis microphylla hendersonii), Austin's popcornflower (Plagiobothrys austiniae), Greene's popcornflower (Plagiobothrys greenel), Sculptured popcornflower (Plagiobothrys glyptocarpus var. glyptocarpus), hairy water flea (Dumontia oregonensis), coral seeded popcornflower (Plagiobothrys figuratus ssp. coralllicarpus), Vernal pool fairy shrimp (Branchinecta lynchi)	3	4.3	Research associated micro and macro flora and fauna (cryptobiotic crusts) as indicators for vernal pool health and function.	Partially Complete			Oregon Department of Agriculture, USFWS Region 1, Bureau of Land Management, The Nature Conservancy, Southern Oregon University	Work type not yet selected	Labor type not yet selected	This was partially completed in 2008. Additional work is proposed for 2010 or 2011.

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Dwarf meadowfoam (Limnanthes floccosa ssp. pumila), Tehama pincushionplant (Navarretia heterandra), Large-flowered woolly Meadowfoam (Limnanthes floccosa ssp. grandiflora), Cook's lomatium (Lomatium cookii), slender meadowfoam (Limnanthes gracilis ssp. gracilis), Henderson's bentgrass (Agrostis microphylla hendersonii), Austin's popcornflower (Plagiobothrys austiniae), Greene's popcornflower (Plagiobothrys greenel), Sculptured popcornflower (Plagiobothrys glyptocarpus var. glyptocarpus), hairy water flea (Dumontia oregonensis), coral seeded popcornflower (Plagiobothrys figuratus ssp. coralllicarpus), Vernal pool fairy shrimp (Branchinecta lynchi)	3	4.7	Conduct research on prescribed burning, mowing, and native planting on introduced annual grasses.	Ongoing Current			USFWS Region 1	Work type not yet selected	Labor type not yet selected	TNC, BLM, and BOR are at different stages of investigating these management techniques.

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Large-flowered woolly Meadowfoam (Limnanthes floccosa ssp. grandiflora), Cook's lomatium (Lomatium cookii), Vernal pool fairy shrimp (Branchinecta lynchi)	3	6	Develop post-delisting monitoring plan	Not Started			Oregon Department of Agriculture, USFWS Region 1	Work type not yet selected	Labor type not yet selected	